Chapter 3 Digital Input Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

WAM Partners\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Questions**

1. What is the difference between sending and receiving HIGH and LOW signals using the BASIC Stamp?
2. What does “normally open” mean in regards to a pushbutton?
3. What happens between the terminals of a normally open pushbutton when you press it?
4. What is the value of IN3 when a pushbutton connects it to Vdd? What is the value of IN3 when a pushbutton connects it to Vss?
5. What does the command **DEBUG ? IN3** do?
6. What kind of code blocks can be used for making decisions based on the value of one or more pushbuttons?
7. What does the **HOME** control character do in the statement **DEBUG HOME**?

**Exercises**

1. Explain how to modify ReadPushbuttonState.bs2 so that it reads a normally open pushbutton circuit with the pull-up resistor connected to I/O pin P6.